



Australian Government

MEM20017 Produce keys by duplication

Release: 1

MEM20017 Produce keys by duplication

Modification History

Release 1. Supersedes but is not equivalent to MEM20001 Produce keys.

Application

This unit of competency defines the skills and knowledge required to duplicate keys for mechanical locking devices and systems. It applies to the duplication of keys across a range of locksmithing areas, including those related to automotive, domestic, commercial, security container and ancillary applications.

Where other programming of high-security transponders is required unit MEM20018 Identify and program transponder keys should be selected.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

Competency Field

Locksmithing

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine job requirements	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work, health and safety (WHS) requirements at all times 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs 1.4 Determine job requirements from specifications or existing samples 1.5 Select appropriate method for duplicating according to key type and

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	system
2. Prepare materials and equipment	2.1 Select appropriate tools and equipment 2.2 Select correct key blank for the given application 2.3 Set up equipment and accessories in an appropriate manner for duplicating
3. Duplicate keys	3.1 Use tools and equipment safely and in accordance with SOPs to duplicate keys 3.2 Ensure key dimensions meet manufacturer specifications 3.3 Finish key in accordance with SOPs

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Specifications are obtained from one or more of the following:

- drawings
- work instructions
- existing samples
- lock inspection.

Method for duplicating includes one or more of the following:	<ul style="list-style-type: none"> • machine • computer and book code equipment.
Requirements for key production include one or more of the following:	<ul style="list-style-type: none"> • specific client requirements and quantities • completion times and dates • job requirements and tasks • work health and safety (WHS) requirements • company requirements • compliance with relevant manufacturer requirements • warranties and service information.
Tools and equipment include one or more of the following:	<ul style="list-style-type: none"> • manual and computerised code machines • milling machines • tubular machines • duplicating machines.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>